DECLARATION FOR PATENT APPLICATION

		•	Case Docket No.	2002B167A
As a below named inventor, []	horoby declare dist:			
My residence, post office addr	ess and citizenship are as stated believes	ow noxt to my name.		
I believe I am the original, firs the subject matter which is cla	t and sole inventor (if only one turn imed and for which a patent is smig	e is listed below) or an original, first as in on the invention equited:	nd joint inventor (if plui	al names are listed bolow) of
		FLUW IN A GAS-SOLIDS	REACTOR	
the specification of which is	attached hereto unless the following	box is checked:		
and was amended on	se Application (if applicable	Servi No. or PCT International Applie).	ation No.	
I hereby state that I have revi referred to above.	gwed and understand the contexts	of the above identified specification,	ncluding the claims, as	susended by any omendmen
1 acknowledge the duty to d Regulations, § 1.56,	isolose information which is mate	rol to the examination of this application	ation in accordance wi	th Title 37, Code of Fodoral
of any PCT International app	dication which designated at least a application(a) for patent or inver	(d) or § 365(b) of any foreign applications country other than the United States's certificate(s), or PCT International	ites, listed below and t	iave slad identified below, by
Prior Foreign Application(s)			2	rigrity Claimed
(Number)	(Country)	(CALY/Monsh/1 car Piles)	Yes	[] Nn
(Number)	(Country)	(Day/Migath Year Filed)	()	[] No
				, no
I hereby claim the benefit and	cr 35 U.S.C. § 119(e)(1)-(2) of any	United States provisional application(a) listed below.	
(Application Num	iber)	(Filing Duw)		
(Application Num	ber)	(Filing Daw)		
States, fisted below and, insul- application in the manner pro	as the subject matter of each of wided by the flust paragraph of 35	itates application(s), ut § 365(c) of any the claims of this application is not dis U.S.C. § 112, I acknowledge the duty c between the filing date of the prior a	clused in the prior Unit to disclose meterial in	ed States or PC1 International formation which is material to
10/313,253	December 6.		Mending	
(Application Serial No.)	(Antica)	t) (Sus	e - perenteri, pending, abandan	adi
(Application Script No.) POWER OF ATTORNEY: business in the Patent and Tra	(filling Dui As a named inventor, I hereby app demark Office connected therewith	vius the following attorney(a) and/or	e-percent pending abundant agent(s) to presenue th	
NAMES	REGISTRATION	NAMES	RECISTRATIO	N/
	NUMBERS		NUMBERS	
Leandro Arcchederra	52,457	Lucinda Lomas	51,964	
Catherine L. Bell	35,444	Lows N. Moreno	44,953	Ì
Keith A. Boll C. Milton Fiok	30,02 . 33,383	Stophen D. Prodnuk Tom F. Pruin	43,020	ł
Andrew B. Griffis	36,336	Frank B. Reid	30,317 37,918	
John F. Hunt	29,394	Dennis P. Santini	26,079	
Rick P. James	48,772	C. Faige Schmidt	38,556	1
Linda A. Kubena	42,772	Jaimes Shor	34,726	
Amdley A. Keller	37,654	Edward P. Sherer	29,588	
Mandi B. Milbank	50,853	Darryi M. Tyus	40,853	
Paul T. LaVoie	38,681	Maria C. Walah	37,958	
L		Philip G. Wou	45.234	

•				Care I	Docket No	2002B167A
SEND CORRESPON		DIRECT TE	LEPHON	E CALLS TO	 :	
ExxonMobil Chemical Company (Name and Te				: No.)		
Law Technology P.O. Box 2149		Paul T. LaVoie (281) 834-5080				
Baytown, Texas 7752	2-2149	Facsimile No		34-2495		
true; and further the	all statements made herein of my own know these statements were made with the known and the Section 1001 of Title 18 of the Unent issued thereon.	owledge that willful fals	e statem	ents and the	like to made	are nunishable by fine or
FULL NAME	LAST NAME	FIRST NAME			MIDDLE	NAME
OF INVENTOR	SMITH	JEFFREY			S.	
RESIDENCE &	CITY	STATE OR FORE	IGN C	OUNTRY		Y OF CITIZENSHIP
CITIZENSHIP	SEABROOK	TEXAS		.,	UNITED	
POST OFFICE	POST OFFICE ADDRESS	CITY		STATE OR		
ADDRESS	2541 DU LAC TRACE	SEABROOK	ŀ	TEXAS		77541
			1			
Inventor's sign	nature		_	Date		
FULL NAME	LAST NAME	FIRST NAME			MIDDLE	MAME
OF INVENTOR	LATTNER	JAMES			RICHAR	· ·
RESIDENCE &	CITY	STATE OR FORE	IGN CO	MTRV		Y OF CITIZENSHIP
CITIZENSHIP	SEABROOK	TEXAS	.1011 01	JONINI	UNITED STATES	
POST OFFICE	POST OFFICE ADDRESS	CITY		STATE OR		
ADDRESS	4147 CROWNWOOD	SEABROOK		TEXAS	COOMIN	77586
Inventor's sign	T 01.	the		Date 7	15/03	
FULL NAME	LAST NAME	FIRST NAME			MIDDLE	NAME
OF INVENTOR	CLEM	KENNETH			R.	IVAINE
RESIDENCE &	CITY	STATE OR FORE	IGN CO	TINTOV		Y OF CITIZENSHIP
CITIZENSHIP	HUMBLE	TEXAS	201.00		UNITED	
POST OFFICE	POST OFFICE ADDRESS	CITY	STA	TE OR CO		ZIP CODE
ADDRESS	7407 PINE GREEN LANE	HUMBLE	1	Kas	JIVIKI	77346
Inventor's sign	ature			Date	-	773.0
F1 T 7 2 1 1 5 5 5	T					
FULL NAME	LAST NAME	FIRST NAME			MIDDLE	NAME
OF INVENTOR	LOEZOS	PETE			N.	
RESIDENCE &	CITY	STATE OR FORE	IGN CO	UNTRY	COUNTR	Y OF CITIZENSHIP
CITIZENSHIP	HOUSTON	TEXAS			UNITED	STATES
POST OFFICE	POST OFFICE ADDRESS	CITY		STATE OR		
ADDRESS	7171 BUFFALO SPEEDWAY	HOUSTON		TEXAS		77025
Inventor's sign	ature Let A			Date 7/	10/00	

FULL NAME	LAST NAME	PIRST NAME		MIDDLE NA	ME
OF INVENTOR	COUTE	NICOLAS		P	
RESIDENCE &	CITY	STATE UK FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP	
CITIZENSHIP	BOUSTON	TEXAS		FRANCE	
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY		ZIP CODE
ADDRESS	16514 SCENIC PEAKS COURT	HOUSTON	TEXAS		77059

Inventor's sign	inture		Date _		
FULL NAME OF INVENTOR	LAST NAME PATEL	FIRST NAME RUTTUN		MIDDLE NA	AME
RESIDENCE & CITIZENSHIP	CITY ARLINGTON	STATE OR FOREIGN COUNTRY VIRGINIA		COUNTRY UNITED ST	op citizenship Tates
POST OFFICE ADDRESS	POST OFFICE ADDRESS 2228 N. QUEBEC STREET	CITY ARLINGTON	STATE OR VIRGINIA	COUNTRY	21F CODE 22207
žaventor's sigi	vacure Rutten D.	Patel	Date	uly 16, 2	w3

Inventor's signature

JUL-17-2003 11:35

EXXON CHEMICAL

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DECLARATION FOR PATENT APPLICATION

			Case Docket No.	1002B167A
As a below named inventor, I here	by declare that:			
My residence, post office address	and citizenship are as stated below n	ext to my hame.		
	d sole inventor (if only one name is l d and for which a palent is sought on		irst and joint inventor (if pla	ural names are listed below)
CON	TROLLING SOLIDS FLO	OW IN A GAS-SOLI	DS REACTOR	
	hed hereto unless the following box			
() was filed on and was amended on	as Application Series (if applicable).	al No, or PCT (nternational A	pplication No.	
I beroby state that I have reviewe referred to above.	d and understand the contents of th	c above identified apocificat	ion, including the claims, i	us amended by any amenda
1 scknowledge the duty to disclo Regulations, § 1,56.	se information which is material t	o the examination of this s	pplication in accordance v	vith Tille 37, Code of Fed
of any PCT International applicat	cofits under 35 U.S.C. § 119(a)-(d) or Lion which designated at least one optication(s) for patent or inventor's timed	country other than the Unite	d States, littled below and	have also identified below,
Crior Porsign Annication(s)	ding of			Priority Claimed
(Nuniber)	(Courty)	(Llay/Manify Car Filed)	_ ()	[] Na
(Number)	(Caunity)	(Day/HantleYear Piled)	_ ()	Ü
•	5 U.S.C, § 119(e)(1)-(2) of any Unite			No
(Application Humber)		(Filing Dow)		
(Application Number)		(Miliog Date)		
I hereby claim the benefit under 3. States, listed below and, incofar as application in the manner provides	S U.S.C. § 120 of any United States the subject matter of each of the cl d by the first paragraph of 35 U.S.C § 1.56 which became available bets	application(s), or § 365(c) o sint of this application is no C. § 112, I acknowledge the	l disclused in the prior Uniduty to disclose material in	ited States or PCT Internation Iformation which it meteria
10/313,251	Detember 6, 2002		Pending	
(Application Serial No.)	(Filing Date)		(Sulus - Brichical punding, abando)	ned)
(Application Serial No.)	(Filip Book)		(Sinnie – partnind, penting, abolito	ned)
POWER OF ATTORNEY: As a business in the Patent and Trademi	named inventor, I hereby oppoint ark Office connected therewith.	the following aromey(s) and	For agent(s) to prosecute t	his application and transact
	EGISTRATION IMBERS	NAMES	REGISTRATI NUMBERA	ON

NAMES	REGISTRATION NUMBERS	NAMES	REGISTRATION NUMBERS	
Leandro Arechederra	52,457	Lucinda Lomas	51.964	
Catherine L. Bell	35,444	Louis N. Moreno	44,953	
Keith A. Bell	30.023	Stephen D. Prodnuk	43,020	
C. Milton Fick	29.383	Tom F. Pruin	30,317	
Andrew B. Griffia	36,336	Frank E. Reid	37,918	
John F. Hunt	29,394	Dennis P. Santini	26,029	
Rick F. James	41.772	C. Paige Schmidt	38,556	
Linda A. Kubena	42,772	Jaimes Shor	34,726	
Bradley A, Keller	37,654	Edward F. Sherer	29,488	
Mendi B. Milbank	50,853	Darryl M. Tyus	40.853	
Paul T. LaVpie	38,651	Maria C. Walsh	37,959	
		Phillip G. Woo	45,234	

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			Cate D	ocket No	2002B167A
SEND CORRESPOND ExaconMobil Chemical Law Technology P.O. Box 2149 Baytown, Texas 27522-	Company	DIRECT TELEI (Name and Tole Paul T. LaVoie (281) 834-5080 Facsimile No. (2			
true; and further that	I statements made herein of my own knowle these statements were made with the knowled under Section 1901 of Title 18 of the Unite all issued thereon.	viadge that willful folse t	statements and the I	ike so made as	e punishable by fine or
FULL NAME	LAST NAME	FIRST NAME		MIDDLEN	AME
OF INVENTOR	SMITH	JEFFREY		s	
RESIDENCE &	CITY	STATE OR FOREIG	N COUNTRY	COUNTRY	OF CITIZENSHIP
CITIZENSHIP	SEABROOK	TEXAS		UNITED S	
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OR	COUNTRY	
ADDRESS	2541 DU LAC TRACE	SEABROOK	TEXAS		77541
Inventor's signa	rure Jeffey	finell	Date	7/12/	103
full name	LASTNAME	FIRST NAME		MIDDLE NAME	
OF INVENTOR	LATTNER	JAMES		RICHARDSON	
RESIDENCE &	CITY	STATE OR FOREIG	N COUNTRY	COUNTRY OF CITIZENSHI	
CITIZENSHIP	SEABROOK	TEXAS		UNITED STATES	
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OR	COUNTRY	ZIP CODE
ADDRESS	4147 CROWNWOOD	SEABROOK	TEXAS		77586
Inventor's signa	trure Jam K, lall	bec	Date	15/03	
FULL NAME	LAST NAME	FIRST NAME		MIDDLE N	AME
OF INVENTOR	CLEM	KENNETH		R.	
RESIDENCE &	CITY	STATE OR FOREIC	N COUNTRY	COUNTRY	OF CITIZENSHIP
CITIZENSHIP	HUMBLE	TEXAS	·	UNITED S'	<u> </u>
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OR CO	UNTRY 2	LIP CODE
ADDRESS	7401 PINE GREEN LANE	HUMBLE	TEXAS		7346
Inventor's signa	ture		Date		
FULL NAME	LASTNAME	FIRST NAME		MIDDLEN	AME
OF INVENTOR	LOEZOS	PETE		N.	
RESIDENCE &	CITY	STATE OR FOREIG	N COUNTRY		OF CITIZENSHIP
CITIZENSHIP	HOUSTON	TEXAS		UNITED S	
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OR	COUNTRY	
ADDRESS	7171 BUFFALO SPEEDWAY	HOUSTON	TEXAS		77025
Inventor's signs			Date		

281 834 1904 F.16

FULL NAME	LAST NAME	FIRST NAME		MIDDLE NAME	
OF INVENTOR	COUTE	NICOLAS		P	
RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP	
CITIZENSHIP	HOUSTON	TEXA5		FRANCE	
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OR	COUNTRY	ZIP CODE
ADDRESS	16514 SCENIC PEAKS COURT	HOUSTON	TEXAS		77059

ADDRESS	16514 SCENIC PEAKS COUR	HOUSTON	TEXAS		77059
Inventor's sign	nature MB	2	Date	2/17(0	3
PULL NAME OF INVENTOR	LAST NAME PATEL	FIRST NAME RUTTON		MIDDLE N.	AME
residence & citizenship	CITY ARLINGTON	STATE OR FOREIGN COUNTRY		COUNTRY UNITED 57	of Citizenship Cates
POST OFFICE ADDRESS	POST OFFICE ADDRESS 2228 N. QUEBEC STREET	CITY ARLINGTON	STATE OF VIRGINIA	COUNTRY	ZIP CODE 12207
Inventor's sign	ê lure		Date		

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DECLARATION FOR PATENT APPLICATION

				Case Docket No.	2007	18167A
As a below named invento	r, I hereby declare that:					
My residence, post office a	iddress and citizenship an	e as stated below nex	t to my name.			
believe I am the original, he subject matter which is	first and sole inventor (if claimed and for which a	only one name is lis patent is sought on the	ted helow) or an original, the invention entitled:	first and joint inventor (i	f plural name	es are listed below) of
	CONTROLLING	SOLIDS FLO	W IN A GAS-SOLI	DS REACTOR		
the specification of which	is attached hereto unless					
was filed on and was amended on	8	s Application Scrial (if applicable).	No. or PCT International	Application No.		
hereby state that I have referred to above.	reviewed and understand	the contents of the	above identified specifica	tion, including the claim	ns, as amend	ed by any amendment
acknowledge the duty t Regulations, § 1.56.	e disclose information w	rhich is material to	the examination of this	application in accordan	ce with Title	37, Code of Federal
of any PCT International	spplication which design rign application(s) for p	ared at least one co	365(b) of any foreign app untry other than the Unit crificate(s), or PCT Inten	ed States, listed below:	and have also	o identified below by
Prior Foreign Application(Priority (Claimed
(311.3)						
(Number)	(Сы	mgy)	(Dey/ManthYear Pilod)	Yes	9 No	
(Number)	(Cou	muy)	(Day/Month/Year Piled)	[- , ,	
hereby claim the benefit	under 35 U.S.C. § 119(c)(1)-(2) of uny United	States provisional applica	tion(s) listed below.		
(Application	Number)		(Filing Date)			
(Application)	Number)		(Filing Date)			
States, listed below and, it application in the manner	isofar as the subject matte provided by the first part	er of each of the clai Agraph of 35 U.S.C.	pplication(s), or § 365(c) on sof this application is n § 112, I acknowledge the filing date of the p	ot disclosed in the prior disclose materi	United State	s or PCT International
10/313,253		December 6, 2002		Pending		
(Application Serial No.)		(Filing Date)		(Sunne - patented, pending, ab	iesdaned)	•
(Application Serial No.)		(Filing Date)		(Status - palented, pending, of	(tenobnac	
POWER OF ATTORNEY business in the Patent and	7: As a numed inventor, Tradomark Offico connec	I hereby appoint the	ច following attorney(s) ន	nd/or agent(s) to prosect	ute this appli	cation and transact all
NAMES	REGISTRATION NUMBERS		NAMES	REGISTR		
Leandro Arechedorra Catherine L. Boll	52,457 35,444		Lucinda Lomas Louis N. Moreno	NUMBER: 51,964 44,953	5	

NAMES	REGISTRATION NUMBERS	NAMES	REGISTRATION NUMBERS	
Leandro Arechederra	52,457	Lucinda Lomas	51,964	
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Keith A. Bell	30,023	Stephen D. Prodnuk	43,020	
C. Milton Fick	33,383	Tom F. Pruit	30,317	
Andrew B. Griffis	36,336	Frank E. Reid	37,918	
John F. Hunt	29,394	Dennis P. Santini	26.029	
Rick P. James	48,772	C. Peige Schmidt	38,556	
Linda A. Kubena	42,772	Jaimes Sher	34,726	
Bradley A. Keiler	37,654	Edward F. Sherer	29,588	
Mandi B. Milbank	50,853	Darryl M. Tyus	40,853	
Paul T. LaVoic	38,681	Maria C. Walsh	37,958	
		Phillip G. Woo	45,234	

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PAGE

Date ____

Date

Case Docket No. 2002B167A DIRECT TELEPHONE CALLS TO: SEND CORRESPONDENCE TO: (Name and Telephone No.) ExxonMobil Chemical Company Paul T. LaVoie Law Technology (281) 834-5080 P.O. Box 2149 Baytown, Texas 77522-2149 Facsimile No. (281) 834-2495

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued therson.

FULL NAME OF INVENTOR	LAST NAME SMITH	FIRST NAME JEFFREY		MIDDLE N.	AME	
RESIDENCE & CITIZENSHIP	CITY SEABROOK	STATE OR FOREIG			COUNTRY OF CITIZENSHIP UNITED STATES	
POST OFFICE ADDRESS	POST OFFICE ADDRESS 2541 DU LAC TRACE	CITY SEABROOK	STATE OR TEXAS	COUNTRY	ZIP CODE 77541	

FULL NAME	LAST NAME	FIRST NAME		MIDDLE NA	AME
OF INVENTOR	LATTNER	JAMES		RICHARDSON	
RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP	
CITIZENSHIP	SEABROOK	TEXAS		UNITED ST	TATES
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OF	COUNTRY	ZIP CODE
ADDRESS	4147 CROWNWOOD	SEABROOK	TEXAS		77586

FULL NAME	LAST NAME	FIRST NAME		MIDDLE	NAME
OF INVENTOR	CLEM	KENNETH		R	
RESIDENCE &	CITY	STATE OR FOREI	GN COUNTRY	COUNTR	RY OF CITIZENSHIP
CITIZENSHIP	HUMBLE	TEXAS		UNITED	STATES
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OR CO	UNTRY	ZIP CODE
ADDRESS_	7407 PINE GREEN LANE	HUMBDE	TEXAS		77346
	# -		/	1/	
Inventor's sign	nature / lennel	VX-Clan	Date	201	-/11,2007

					
FULL NAME	LAST NAME	FIRST NAME		MIDDLE NA	ME
OF INVENTOR	LOEZOS	PETE		N.	
RESIDENCE &	CITY	STATE OR FOREIGN C	COUNTRY	COUNTRY	OF CITIZENSHIP
CITIZENSHIP	HOUSTON	TEXAS		UNITED ST	ATES
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OR	COUNTRY	ZIF CODE
ADDRESS	7171 BUFFALO SPEEDWAY	HOUSTON	TEXAS		77025

Inventor's signature		Date
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Inventor's signature

Inventor's signature

FULL NAME OF INVENTOR	LAST NAME COUTE	FIRST NAME NICOLAS		MIDDLE NA	AME
RESIDENCE & CITIZENSHIP	CITY HOUSTON	STATE OR FOREIGN O	OUNTRY	COUNTRY	OF CITIZENSHIP
POST OFFICE ADDRESS	POST OFFICE ADDRESS 16514 SCENIC PEAKS COURT	CITY HOUSTON	STATE OR TEXAS	COUNTRY	ZIP CODE

FULL NAME OF INVENTOR	LAST NAME PATEL	FIRST NAME RUTTON		MIDDLE N.	AME
RESIDENCE & CITIZENSHIP	CITY ARLINGTON	STATE OR FOREIGN COUNTRY VIRGINIA		COUNTRY OF CITIZENSHII UNITED STATES	
POST OFFICE ADDRESS	POST OFFICE ADDRESS 2228 N. QUEBEC STREET	CITY ARLINGTON	STATE OR COUNTRY VIRGINIA		ZIP CODE 22207